

EAST Search History

Ref #	Hits	Search Query	Jobs	Default Operator	Plurals	Time Stamp
S1	2	(*194818*) PN	US-PGUB; USPAT; USOC; FRIS; EPO; JPO; DEWENT; IBM TDB	OR	ON	2008-03-12 09:33
S2	3	(*130103* *5320907* *6001416*) PN	US-PGUB; USPAT; USOC	OR	ON	2008-03-12 09:34
S3	32	(*130103* *5320907* *6001416*) UPRN	USPAT	OR	ON	2008-03-12 09:35
S4	9	(*130103* *5320907* *6001416*) UPRN and pieceElement	USPAT	OR	ON	2008-03-12 09:37
S5	1	(*130103* *5320907* *6001416*) UPRN and piece	USPAT	OR	ON	2008-03-12 09:38
S6	19	(*488831* *4963390* *516643* *5130103* *5198289* *5320907* *5491102* *556946* *564638* *5650362* *6001416* *606994* *606991* *6174564* *6194227* *6194816* *6343865* *6511161* *6746838*) PN	US-PGUB; USPAT; USOC	OR	ON	2008-03-12 09:40
S7	1	(*488831* *4963390* *516643* *5130103* *5198289* *5320907* *5491102* *556946* *564638* *5650362* *6001416* *606994* *606991* *6174564* *6194227* *6194816* *6343865* *6511161* *6746838*) PN and piece	US-PGUB; USPAT; USOC	OR	ON	2008-03-12 09:40
S8	15	(*6066581*) UPRN	USPAT	OR	ON	2008-03-12 09:41
S9	2	(*6066581*) UPRN and piece	USPAT	OR	ON	2008-03-12 09:42
S10	1	(US6194816-\$).did or (EP-93223-A-\$).did	USPAT; DEWENT	OR	ON	2008-03-12 10:09
S11	64838	(relative with movement with mechanism) or ((ink jet adj_head) with move\$4 with relative)	US-PGUB; USPAT; USOC; FRIS; EPO; JPO; DEWENT; IBM TDB	OR	ON	2008-03-12 12:50
S12	123	(relative with movement) with (ink jet adj_head with head with medium)	US-PGUB; USPAT; USOC; FRIS; EPO; JPO; DEWENT; IBM TDB	OR	ON	2008-03-12 12:52
S13	11	(*194818*) UPRN	USPAT	OR	ON	2008-03-12 13:15
S14	2	(*397492*) PN	US-PGUB; USPAT; USOC; FRIS; EPO; JPO; DEWENT; IBM TDB	OR	OFF	2008-03-24 11:05
S15	1	(US5397458-\$).did	USPAT	OR	ON	2008-03-24 11:10
S16	1	(US6194816-\$).did	USPAT	OR	ON	2008-03-24 11:25
S17	11	(US729152-\$ or US7240409-\$ or US785540-\$ or US7064793-\$ or US703601-\$ or US701014-\$ or US6979935-\$ or US6974955-\$ or US6465039-\$ or US6620237-\$ or US6511161-\$).did	USPAT	OR	ON	2008-03-24 11:34
S18	15	(US7240409-\$ or US7176079-\$ or US783269-\$ or US7054052-\$ or US7022823-\$ or US694977-\$ or US693285-\$ or US6774054-\$ or US6748835-\$ or US6694082-\$ or US6564117-\$ or US6533883-\$ or US645106-\$ or US6432238-\$ or US6149353-\$).did	USPAT	OR	ON	2008-03-24 11:35
S19	3	(US6001416-\$ or US5320907-\$ or US5130103-\$).did	USPAT	OR	ON	2008-03-24 11:36
S20	26	\$7 or \$16 or \$19	US-PGUB; USPAT; USOC; FRIS; EPO; JPO; DEWENT; IBM TDB	OR	ON	2008-03-24 11:36
S21	26	(US729152-\$ or US7240409-\$ or US785540-\$ or US7176079-\$ or US703601-\$ or US7064793-\$ or US701014-\$ or US6979935-\$ or US6748835-\$ or US6465039-\$ or US6620237-\$ or US6511161-\$ or US694977-\$ or US6432238-\$ or US6945039-\$ or US6774054-\$ or US6748835-\$ or US6694082-\$ or US6564117-\$ or US6533883-\$ or US645106-\$ or US6432238-\$ or US6001416-\$ or US5320907-\$ or US5130103-\$).did	USPAT	OR	ON	2008-03-24 11:37

S22	26	(US7291920-\$ or US7240493-\$ or US7185940-\$ or US7178079-\$ or US7083269-\$ or US7067965-\$ or US7064052-\$ or US703001-\$ or US7022823-\$ or US7001014-\$ or US6979398-\$ or US6974965-\$ or US6949775-\$ or US6932851-\$ or US6946509-\$ or US6774054-\$ or US6748355-\$ or US6949282-\$ or US6641175-\$ or US6622373-\$ or US6593886-\$ or US6511161-\$ or US6510516-\$ or US6432238-\$ or US6146935-\$ or US6011416-\$) did, and piezo	USPAT	OR	ON	2008/03/24 14:08
S23	26	(US7291920-\$ or US7240493-\$ or US7185940-\$ or US7178079-\$ or US7083269-\$ or US7067965-\$ or US703001-\$ or US7022823-\$ or US7001014-\$ or US6979398-\$ or US6974965-\$ or US6949775-\$ or US6932851-\$ or US6946509-\$ or US6774054-\$ or US6748355-\$ or US6949282-\$ or US6641175-\$ or US6622373-\$ or US6593886-\$ or US6511161-\$ or US6451165-\$ or US6432228-\$ or US6146935-\$ or US6011416-\$) did, and piezo	USPAT	OR	ON	2008/03/24 14:10
S24	2	"429" (US7291920-\$ or US7240493-\$ or US7185940-\$ or US7178079-\$ or US7083269-\$ or US7067965-\$ or US703001-\$ or US7022823-\$ or US7001014-\$ or US6979398-\$ or US6974965-\$ or US6949775-\$ or US6932851-\$ or US6946509-\$ or US6774054-\$ or US6748355-\$ or US6949282-\$ or US6641175-\$ or US6622373-\$ or US6593886-\$ or US6511161-\$ or US6451056-\$ or US6432238-\$ or US6146935-\$ or US6011416-\$) did, or (US5320907-\$ or US5130103-\$) did, and piezo	USPAT	OR	ON	2008/03/24 14:11
S25	7	"310" (US7291920-\$ or US7240493-\$ or US7185940-\$ or US7178079-\$ or US7083269-\$ or US7067965-\$ or US703001-\$ or US7022823-\$ or US7001014-\$ or US6979398-\$ or US6974965-\$ or US6949775-\$ or US6932851-\$ or US6946509-\$ or US6774054-\$ or US6748355-\$ or US6949282-\$ or US6641175-\$ or US6622373-\$ or US6593886-\$ or US6511161-\$ or US6451056-\$ or US6432238-\$ or US6146935-\$ or US6011416-\$) did, or (US5320907-\$ or US5130103-\$) did, and piezo	USPAT	OR	ON	2008/03/24 14:12
S26	3	"301" (US7291920-\$ or US7240493-\$ or US7185940-\$ or US7178079-\$ or US7083269-\$ or US7067965-\$ or US704023-\$ or US703001-\$ or US7022823-\$ or US7001014-\$ or US6979398-\$ or US6974965-\$ or US6949775-\$ or US6932851-\$ or US6946509-\$ or US6774054-\$ or US6748355-\$ or US6949282-\$ or US6641175-\$ or US6622373-\$ or US6593886-\$ or US6511161-\$ or US6451056-\$ or US6432238-\$ or US6146935-\$ or US6011416-\$) did, or (US5320907-\$ or US5130103-\$) did, and piezo	USPAT	OR	ON	2008/03/24 14:13
S27	7	\$24 or \$25 or \$26	US-GRUB; USPAT; USCOR;PRIS; EPO;JP; DEWENT; IBM;TDB	OR	ON	2008/03/24 14:14
S28	1	gates and (\$24 or \$25 or \$26)	US-GRUB; USPAT; USCOR;PRIS; EPO;JP; DEWENT; IBM;TDB	OR	ON	2008/03/24 14:21
S29	7	piezoelectric and (\$24 or \$25 or \$26)	US-GRUB; USPAT; USCOR;PRIS; EPO;JP; DEWENT; IBM;TDB	OR	ON	2008/03/24 14:22
S30	7	(US7185940-\$ or US7087965-\$ or US703001-\$ or US6979398-\$ or US5320907-\$ or US5130103-\$) did	USPAT	OR	ON	2008/03/24 14:24
S31	4	(US7185940-\$ or US7087965-\$ or US703001-\$ or US6979398-\$ or US5320907-\$ or US5130103-\$) did, and (first with electrode)	USPAT	OR	ON	2008/03/24 14:24
S32	2	(US7185940-\$ or US7087965-\$ or US703001-\$ or US6979398-\$ or US5320907-\$ or US5130103-\$) did, and (first with electrode) and (rhombohedral or tetragonal)	USPAT	OR	ON	2008/03/24 14:33
S33	2	(US7185940-\$ or US7087965-\$ or US703001-\$ or US6979398-\$ or US5320907-\$ or US5130103-\$) did, and (first with electrode) and (rhombohedral or tetragonal) and perovskite	USPAT	OR	ON	2008/03/24 14:33
S34	25542	1731'cds	US-GRUB; USPAT; USCOR;PRIS; EPO;JP; DEWENT; IBM;TDB	OR	ON	2008/03/24 14:37
S35	131197	"310" 'cds	US-GRUB; USPAT; USCOR;PRIS; EPO;JP; DEWENT; IBM;TDB	OR	ON	2008/03/24 14:38
S36	610	73304;16	US-GRUB; USPAT; USCOR;PRIS; EPO;JP; DEWENT; IBM;TDB	OR	ON	2008/03/24 14:39
S37	5	"5498231" * "5691953" * "5998236" * "6194816" * "7032270";PN	US-GRUB; USPAT; USCOR	OR	ON	2008/03/24 15:09
S38	6	"5508953" * "6097133" * "6142615" * "6194818" * "6491587" * "6969157";PN	US-GRUB; USPAT; USCOR	OR	ON	2008/03/24 15:10
S39	10	S27 or S28	US-GRUB; USPAT; USCOR;PRIS; EPO;JP; DEWENT; IBM;TDB	OR	ON	2008/03/24 15:10

840	6	{US6969157-\$ or US6494567-\$ or US6194818-\$ or US599236-\$ or US5691593-\$ or US543231-\$} did	USPAT	OR	ON	2008 03 24 15:15
841	35	{US6969157-\$ or US6494567-\$ or US599236-\$ or US5691593-\$ or US543231-\$ or US5874593-\$ or US6194818-\$ or US7291523-\$ or US7240493-\$ or US785540-\$ or US7176793-\$ or US7083269-\$ or US708705-\$ or US7046523-\$ or US703001-\$ or US7022623-\$ or US7010145-\$ or US6979083-\$ or US6947473-\$ or US6932515-\$ or US6846594-\$ or US6774514-\$ or US674836-\$ or US6694023-\$ or US6694175-\$} did	USPAT	OR	ON	2008 03 24 15:18
842	33	{US6969157-\$ or US6494567-\$ or US599236-\$ or US5691593-\$ or US543231-\$ or US53974593-\$ or US6194818-\$ or US7291523-\$ or US7240493-\$ or US785540-\$ or US7176793-\$ or US7083269-\$ or US708705-\$ or US7064052-\$ or US703001-\$ or US7022623-\$ or US7010145-\$ or US6979083-\$ or US6947473-\$ or US6932515-\$ or US6846594-\$ or US6774514-\$ or US674836-\$ or US6694023-\$ or US6694175-\$} did; {US682237-\$ or US6583688-\$ or US6511161-\$ or US6453106-\$ or US6422236-\$ or US6146935-\$ or US5320973-\$ or US5101035-\$} did; and @pkc="2033204"	USPAT	OR	ON	2008 03 24 15:19
843	13	{US7176793-\$ or US7083269-\$ or US7010145-\$ or US6974985-\$ or US6694023-\$ or US6511161-\$ or US6494567-\$ or US645106-\$ or US6432238-\$ or US6194818-\$ or US6146935-\$} did	USPAT	OR	ON	2008 03 24 16:37
844	6	{US7176793-\$ or US7083269-\$ or US7010145-\$ or US6974985-\$ or US6694023-\$ or US6511161-\$ or US6494567-\$ or US645106-\$ or US6432238-\$ or US6194818-\$ or US6146935-\$} did; and piezoelectric	USPAT	OR	ON	2008 03 24 16:39
845	9	{US7176793-\$ or US7083269-\$ or US7010145-\$ or US6974985-\$ or US6694023-\$ or US6511161-\$ or US6494567-\$ or US645106-\$ or US6432238-\$ or US6194818-\$ or US6146935-\$ or US599236-\$} did; and piezoelectric and [rhombohedral or tetragonal] with perovskite	USPAT	OR	ON	2008 03 24 16:41
846	4	{US7176793-\$ or US7083269-\$ or US7010145-\$ or US6974985-\$ or US6694023-\$ or US6511161-\$ or US6494567-\$ or US645106-\$ or US6432238-\$ or US6194818-\$ or US6146935-\$} did; and piezoelectric and [rhombohedral or tetragonal]	USPAT	OR	ON	2008 03 24 16:42
848	4	{US7176793-\$ or US7083269-\$ or US7010145-\$ or US6974985-\$ or US6694023-\$ or US6511161-\$ or US6494567-\$ or US645106-\$ or US6432238-\$ or US6194818-\$ or US6146935-\$} did; and piezoelectric and [rhombohedral or tetragonal] and perovskite and ratio	USPAT	OR	ON	2008 03 24 16:45
849	4	{US7001014-\$ or US6511161-\$ or US6194818-\$ or US6146935-\$} did	USPAT	OR	ON	2008 03 24 16:48
850	1	{347°/72°} and [piezoelectric with film] and [first with electrode with film] and [first with thin with film] same (aggregates with columnar) and [rhombohedral or tetragonal] with perovskite	US-PPUB; USPAT; USCOR; PRS; EPO; JPO; DEWENT; IBM; TDB	OR	ON	2008 03 24 17:22
852	1	{2035/2795} PN	US-GBAB; USPAT; USCOR	OR	ON	2008 03 24 17:25
853	0	{US6969157-\$ or US6494567-\$ or US6194818-\$ or US599236-\$ or US5691593-\$ or US543231-\$} did; and (diameter with columnar with grain)	USPAT	OR	ON	2008 03 26 13:51
854	0	{US6969157-\$ or US6494567-\$ or US6194818-\$ or US599236-\$ or US5691593-\$ or US543231-\$} did; and (diameter same (columnar w/ grain))	USPAT	OR	ON	2008 03 26 13:52
855	1	{US6969157-\$ or US6494567-\$ or US6194818-\$ or US599236-\$ or US5691593-\$ or US543231-\$} did; and (column with grain)	USPAT	OR	ON	2008 03 26 13:53
856	9	{310°/5;cds. and diameter with columnar with grain}	US-PPUB; USPAT; USCOR; PRS; EPO; JPO; DEWENT; IBM; TDB	OR	ON	2008 03 26 13:57
857	2	{US6515382-\$ or US6422303-\$} did	USPAT	OR	ON	2008 03 26 13:59
858	1	{US6515382-\$ or US6422303-\$} did; and nm	USPAT	OR	ON	2008 03 26 13:59
859	164	{310°/5;cds. and diameter with grain}	US-PPUB; USPAT; USCOR; PRS; EPO; JPO; DEWENT; IBM; TDB	OR	ON	2008 03 26 14:01
860	93	{310°/5;cds. and diameter with grain} and @pkc="2033035"	US-PPUB; USPAT; USCOR; PRS; EPO; JPO; DEWENT; IBM; TDB	OR	ON	2008 03 26 14:01
861	7	{310°/5;cds. and diameter with grain} and @pkc="2033035" and nm	US-PPUB; USPAT; USCOR; PRS; EPO; JPO; DEWENT; IBM; TDB	OR	ON	2008 03 26 14:02
862	1	{US6511161-\$} did; and nm	USPAT	OR	ON	2008 03 26 14:20

S93	16835	takamatsu	US_PGPUB; USPAT; USCOR; FRPS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008 03 26 14:29
S94	0	takamatsu and claim and '9	US_PGPUB; USPAT; USCOR; FRPS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008 03 26 14:30
S95	0	takamatsu and claim and ('9)	US_PGPUB; USPAT; USCOR; FRPS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008 03 26 14:31
S96	0	takamatsu and claim	US_PGPUB; USPAT; USCOR; FRPS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008 03 26 14:31
S97	0	"takamatsu et al."	US_PGPUB; USPAT; USCOR; FRPS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008 03 26 14:31
S98	4	(US7176079-\$ or US7061052-\$ or US7021014-\$ or US6974985-\$ or US690192-\$ or US6664117-\$ or US6511161-\$ or US6494567-\$ or US6455105-\$ or US642239-\$ or US6194818-\$ or US6146953-\$ or US5982238-\$) did. and piezoelectric and (hexagonal or tetragonal) and perovskite	USPAT	OR	ON	2008 03 26 14:37
S99	0	"takamatsu in"	US_PGPUB; USPAT; USCOR; FRPS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008 03 26 14:41
S100	0	"takamatsu in."	US_PGPUB; USPAT; USCOR; FRPS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008 03 26 14:41
S101	0	takamatsu and (S94)	US_PGPUB; USPAT; USCOR; FRPS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008 03 26 14:43
S102	7660	takamatsu and ('12)	US_PGPUB; USPAT; USCOR; FRPS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008 03 26 14:43
S103	0	"(Takamatsu et al.)"	US_PGPUB; USPAT; USCOR; FRPS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008 03 26 14:44
S104	4	takamatsu and pct and columnar and diameter	US_PGPUB; USPAT; USCOR; FRPS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008 03 26 14:48
S105	1	(US662452) APP	USPAT; USCOR	OR	ON	2008 03 26 15:26
S106	1	(US662458-\$) did.	USPAT	OR	ON	2008 03 26 15:26
S107	1	(US662458-\$) did.	USPAT	OR	ON	2008 03 26 15:30

S98	1	US6455106-\$,dd.	USPAT	OR	ON	2008 03 26 15:38
S99	7	"6402304"	US-PUB, USPAT, USCOR, FRBS, EPO, JPO, DERWENT, IBM, TDB	OR	ON	2008 03 26 15:39 15:41
S90	3	(US-6624458-\$ or US-7083269-\$ or US-6402304-\$),dd.	USPAT	OR	ON	2008 03 26 15:41
S91	1	(US-6624458-\$ or US-7083269-\$ or US-6402304-\$),dd. and (length or width)	USPAT	OR	ON	2008 03 26 15:41
S92	6	"6402304" and (length or width)	US-PUB, USPAT, USCOR, FRBS, EPO, JPO, DERWENT, IBM, TDB	OR	ON	2008 03 26 15:44
S93	5	pat and ((columnar with grain) same (length with nm))	US-PUB, USPAT, USCOR, FRBS, EPO, JPO, DERWENT, IBM, TDB	OR	ON	2008 03 26 15:48
S95	3	(US-6624458-\$ or US-7083269-\$ or US-6402304-\$),dd. and nm	USPAT	OR	ON	2008 03 26 15:54
S96	2	(US-6624458-\$ or US-7083269-\$ or US-6402304-\$),dd. and orientation	USPAT	OR	ON	2008 03 26 16:11
S97	0	(US-6624458-\$ or US-7083269-\$ or US-6402304-\$),dd. and mol and (manganese or magnesium)	USPAT	OR	ON	2008 03 26 16:32
S98	3	(US-6624458-\$ or US-7083269-\$ or US-6402304-\$),dd. and [manganese or magnesium]	USPAT	OR	ON	2008 03 26 16:33
S99	6	"6705708"	US-PUB, USPAT, USCOR, FRBS, EPO, JPO, DERWENT, IBM, TDB	OR	ON	2008 03 26 16:34
S90	5	(US-6494967-\$ or US-6624458-\$ or US-7083269-\$ or US-6402304-\$ or US-6705708-\$),dd.	USPAT	OR	ON	2008 03 26 17:06
S91	4	(US-6494967-\$ or US-6624458-\$ or US-7083269-\$ or US-6402304-\$ or US-6705708-\$),dd. and orientation	USPAT	OR	ON	2008 03 26 17:07
S92	2	(US-6494967-\$ or US-6624458-\$ or US-7083269-\$ or US-6402304-\$ or US-6705708-\$),dd. and (Rb with Zr with Ti)	USPAT	OR	ON	2008 03 26 17:34
S93	4	(US-6494967-\$ or US-6624458-\$ or US-7083269-\$ or US-6402304-\$ or US-6705708-\$),dd. and Rb	USPAT	OR	ON	2008 03 26 17:36
S94	4	(US-6494967-\$ or US-6624458-\$ or US-7083269-\$ or US-6402304-\$ or US-6705708-\$),dd. and diaphragm	USPAT	OR	ON	2008 03 26 18:06
S95	4	(US-6494967-\$ or US-6624458-\$ or US-7083269-\$ or US-6402304-\$ or US-6705708-\$),dd. and (manganese or magnesium)	USPAT	OR	ON	2008 03 27 08:23
S96	4	(US-6494967-\$ or US-6624458-\$ or US-7083269-\$ or US-6402304-\$ or US-6705708-\$),dd. and Zr	USPAT	OR	ON	2008 03 27 08:15
S97	3	(US-6494967-\$ or US-6624458-\$ or US-7083269-\$ or US-6402304-\$ or US-6705708-\$),dd. and (Rb and Zr and Ti)	USPAT	OR	ON	2008 03 27 08:15
S98	2	(US-6494967-\$ or US-6624458-\$ or US-7083269-\$ or US-6402304-\$ or US-6705708-\$),dd. and (Rb same Zr same Ti)	USPAT	OR	ON	2008 03 27 08:16
S99	2	(US-6494967-\$ or US-6624458-\$ or US-7083269-\$ or US-6402304-\$ or US-6705708-\$),dd. and (Rb with Zr with Ti)	USPAT	OR	ON	2008 03 27 08:16
S100	5	(US-6494967-\$ or US-6624458-\$ or US-7083269-\$ or US-6402304-\$ or US-6705708-\$),dd. and nm	USPAT	OR	ON	2008 03 27 08:55
S101	4	"6455106"	US-PUB, USPAT, USCOR, FRBS, EPO, JPO, DERWENT, IBM, TDB	OR	ON	2008 03 27 09:49
S102	1	(US-6455106-\$),dd.	USPAT	OR	ON	2008 03 27 09:50

S103	1	11060001		SUS-RGB; USAT; USOR, FRS; EPO, JPO; DERWENT; IBM TDB	OR	ON	2006-08-26 10:20
S104	50	(US5936114-\$ or US6011165-\$ or US754531-\$ or US3614925-\$ or US6088935-\$ or US5719755-\$ or US6167603-\$ or US4897975-\$ or US4019657-\$ or US52419252-\$ or US2819825-\$ or US5283436-\$ or US3717285-\$ or US5401645-\$ or US5446128-\$ or US5606492-\$ or US5693618-\$ or US5685935-\$ or US5757081-\$ or US5757581-\$ or US580531-\$ or US58221045-\$ or US8612985-\$ or US58652025-\$ or US8778895-\$) did. or (US590205 or US5949565-\$ or US5991064-\$ or US5998195-\$ or US6033335-\$ or US6104285-\$ or US6103835-\$ or US6122935-\$ or US6165225-\$ or US62023715-\$ or US6221675-\$ or US6262552-\$ or US6278138-\$ or US6329740-\$ or US6332611-\$ or US6333661-\$ or US6373461-\$ or US6404948-\$ or US6440591-\$ or US6487045-\$ or US6519835-\$ or US6687381-\$) did.	USPAT	OR	ON	2006-06-11 13:11	
S105	5	get and (column with grain) same length (with nm)		SUS-RGB; USAT; USOR, FRS; EPO, JPO; DERWENT; IBM TDB	OR	ON	2006-06-11 13:12
S106	9	S104 and S105		SUS-RGB; USAT; USOR, FRS; EPO, JPO; DERWENT; IBM TDB	OR	ON	2006-06-11 13:12
S107	9	(S104 and S105) and (ptz or piezo or piezoelectric2 or perovskite) same (film or layer or thickness or thick) same (crystal or grain or plane) same (columnar or rhombohedral or tetragonal)		SUS-RGB; USAT; USOR, FRS; EPO, JPO; DERWENT; IBM TDB	OR	ON	2006-06-11 13:58
S108	10	(S104 or S105) and (ptz or piezo or piezoelectric2 or perovskite) same (film or layer or thickness or thick) same (crystal or grain or plane) same (columnar or rhombohedral or tetragonal)		SUS-RGB; USAT; USOR, FRS; EPO, JPO; DERWENT; IBM TDB	OR	ON	2006-06-11 13:59
S109	814	(ptz or piezo or piezoelectric2 or perovskite) same (film or layer or thickness or thick) same (crystal or grain or plane) same (columnar or rhombohedral or tetragonal)		SUS-RGB; USAT; USOR, FRS; EPO, JPO; DERWENT; IBM TDB	OR	ON	2006-06-11 14:05
S110	14	(ptz or piezo or piezoelectric2 or perovskite) same (film or layer or thickness or thick) same (crystal or grain or plane) same (columnar or rhombohedral or tetragonal) SAME(diameter or radius) near ((cross with sectional) OR crosssection2 OR section2)		SUS-RGB; USAT; USOR, FRS; EPO, JPO; DERWENT; IBM TDB	OR	ON	2006-06-11 14:07
S111	14	(ptz or piezo or piezoelectric2 or perovskite) same (film or layer or thickness or thick) same (crystal or grain or plane) same (columnar or rhombohedral or tetragonal) SAME(diameter or radius) near ((cross with sectional) OR crosssection2 OR section2)		SUS-RGB; USAT; USOR, FRS; EPO, JPO; DERWENT; IBM TDB	OR	ON	2006-06-11 14:10
S112	14	(ptz or piezo or piezoelectric2 or perovskite) same (film or layer or thickness or thick) and (crystal or grain or plane) same (columnar or rhombohedral or tetragonal) SAME(diameter or radius) near ((cross with sectional) OR crosssection2 OR section2)		SUS-RGB; USAT; USOR, FRS; EPO, JPO; DERWENT; IBM TDB	OR	ON	2006-06-11 14:11
S113	26	(US6194185-\$ or US598235-\$ or US5891585-\$ or US5432315-\$ or US6044561-\$ or US7178079-\$ or US7064532-\$ or US7010145-\$ or US6974985-\$ or US6684982-\$ or US6641173-\$ or US6111615-\$ or US6455106-\$ or US6432238-\$ or US6146835-\$ or US6515832-\$ or US6422303-\$ or US7291520-\$ or US7082269-\$ or US7067965-\$ or US7033015-\$ or US7226235-\$ or US699157-\$ or US6932651-\$ or US6946509-\$) did.	USPAT	OR	ON	2006-06-11 14:23	
S114	39	S112 or S113		SUS-RGB; USAT; USOR, FRS; EPO, JPO; DERWENT; IBM TDB	OR	ON	2006-06-11 14:23
S115	1	(ptz or piezo or piezoelectric2 or perovskite) same (film or layer or thickness or thick) and (crystal or grain or plane) same (columnar or rhombohedral or tetragonal) SAME(diameter or radius) near ((cross with sectional) OR crosssection2 OR section2) and @ptz<="2003035"		SUS-RGB; USAT; USOR, FRS; EPO, JPO; DERWENT; IBM TDB	OR	ON	2006-06-11 14:36

S16	14	(pot or plizo or piezo)electric2 or (perovskite) same (film or layer or thickness or thick) and (crystal or grain or plane) same (columnar or rhomboshedral or tetragonal) SAME (diameter or radius) near (cross with sectional) OR crossSection2 OR sectional)	US-PPUB; USPAT; USCOR; FRPS; EPO; JPO; DERNENT; IBM; TDB	OR	ON	2006/06/11 14:38
S17	5	2003009832 2004/02/06/296 2004/02/06/948 2005/01/27/95 2005/01/27/95 PN	US-PPUB; USPAT; USCOR	OR	ON	2006/06/11 15:11
S18	1	2004/02/06/396 UPRN	USPAT	OR	ON	2006/06/11 15:16
S19	1	(pot or plizo or piezo)electric2 or (perovskite) same (film or layer or thickness or thick) and (crystal or grain or plane) same (columnar or rhomboshedral or tetragonal) SAME (diameter or radius) near (cross with sectional) OR crossSection2 OR sectional) and @pk= "20040305"	US-PPUB; USPAT; USCOR; FRPS; EPO; JPO; DERNENT; IBM; TDB	OR	ON	2006/06/11 15:22
S20	1	(pot or plizo or piezo)electric2 or (perovskite) same (film or layer or thickness or thick) and (crystal or grain or plane) same (columnar or rhomboshedral or tetragonal) SAME (diameter or radius) near (cross with sectional) OR crossSection2 OR sectional) and @pk= "20040305"	US-PPUB; USPAT; USCOR; FRPS; EPO; JPO; DERNENT; IBM; TDB	OR	ON	2006/06/11 15:25
S21	1	(pot or plizo or piezo)electric2 or (perovskite) same (film or layer or thickness or thick) and (crystal or grain or plane) and (columnar or rhomboshedral or tetragonal) same (diameter or radius) near (cross with sectional) or crossSection2 OR sectional) and @pk= "20040305"	US-PPUB; USPAT; USCOR; FRPS; EPO; JPO; DERNENT; IBM; TDB	OR	ON	2006/06/11 15:28
S22	22	2003009832 2004/02/06/296 2004/02/06/948 2005/01/27/95 2005/01/27/95 PN, OR 2005/01/27/95 2005/01/27/95 2005/01/27/95 2006/01/07/05 368315 7143265 7193976 7192568 UPRN	US-PPUB; USPAT; USCOR	OR	ON	2006/06/11 15:33
S23	22	US2004/02/06/296 or US2005/01/27/95 or US2004/02/06/948 or US2005/01/27/95 or US2003/09/0832 .dit, or US7212565 or US7193756 or US4911153 or US6112615 or US4902050 or US4441176 or US4411017 & US603333 or US6170333 or US4916050 or US4907676 or US4362823 or US4076617 or US4031416 or US4013552 or US4008323 or US3974475 .dit, or US2005/01/27/95 or US2004/02/06/296 or US2003/09/0832 .dit, or US7312565 or US7319375 or US6911153 or US6110315 or US6590004 or US4441176 or US611017 & US603333 or US5170333 or US4916050 or US4907676 or US4362823 or US4076617 or US4031416 or US4013552 or US3974475 .dit, and @pk= "20040305"	US-PPUB; USPAT	OR	ON	2006/06/11 15:34
S24	15	US 2005/01/27/95 or US2005/01/27/95 or US2004/02/06/296 or US2003/09/0832 .dit, or US7312565 or US7319375 or US6911153 or US6110315 or US6590004 or US4441176 or US611017 & US603333 or US5170333 or US4916050 or US4907676 or US4362823 or US4076617 or US4031416 or US4013552 or US3974475 .dit, and @pk= "20040305"	US-PPUB; USPAT	OR	ON	2006/06/11 15:34
S25	15	(US2005/01/27/95 or US2005/01/27/95 or US2004/02/06/296 or US2003/09/0832 .dit, or US7312565 or US7319375 or US6911153 or US6110315 or US6590004 or US4441176 or US611017 & US603333 or US5170333 or US4916050 or US4907676 or US4362823 or US4076617 or US4031416 or US4013552 or US3974475 .dit, and @pk= "20040305" and (pot or plizo or piezo)electric2 or (perovskite) or (film or layer or thickness or thick) or (crystal or grain or plane) or (columnar or rhomboshedral or tetragonal) or (diameter or radius) or ((cross with sectional) OR crossSection2 OR sectional))	US-PPUB; USPAT	OR	ON	2006/06/11 15:37
S26	139	(pot or plizo or piezo)electric2 or (perovskite) same (film or layer or thickness or thick) same (crystal or grain or plane) same (columnar or rhomboshedral or tetragonal) SAME (nanometer OR nm OR nm@meter) OR (microMeter OR mm OR microAU@meter))	US-PPUB; USPAT; USCOR; FRPS; EPO; JPO; DERNENT; IBM; TDB	OR	ON	2006/06/11 15:56
S27	1	2005/01/27/72 UPRN	USPAT	OR	ON	2006/06/11 16:37
S30	14	(pot or plizo or piezo)electric2 or (perovskite) same (film or layer or thickness or thick) and (crystal or grain or plane) same (columnar or rhomboshedral or tetragonal) same (diameter or radius) near (cross with sectional) or crossSection2 OR sectional)	US-PPUB; USPAT; USCOR; FRPS; EPO; JPO; DERNENT; IBM; TDB	OR	ON	2006/06/11 16:45
S31	3668	(pot or plizo or piezo)electric2 or (perovskite) same (film or layer or thickness or thick) same (crystal or grain or plane) and (columnar or rhomboshedral or tetragonal) same (diameter or radius) near (cross with sectional) or crossSection2 OR sectional) and @pk= "20040305"	US-PPUB; USPAT; USCOR; FRPS; EPO; JPO; DERNENT; IBM; TDB	OR	ON	2006/06/11 16:45
S32	41	(pot or plizo or piezo)electric2 or (perovskite) same (film or layer or thickness or thick) same (crystal or grain or plane) same (columnar or rhomboshedral or tetragonal) SAME (nanometer OR nm OR nm@meter) OR (microMeter OR mm OR microAU@meter)) and @pk= "20040305"	US-PPUB; USPAT; USCOR; FRPS; EPO; JPO; DERNENT; IBM; TDB	OR	ON	2006/06/11 16:53
S33	139	(pot or plizo or piezo)electric2 or (perovskite) same (film or layer or thickness or thick) same (crystal or grain or plane) same (columnar or rhomboshedral or tetragonal) SAME (nanometer OR nm OR nm@meter) OR (microMeter OR mm OR microAU@meter))	US-PPUB; USPAT; USCOR; FRPS; EPO; JPO; DERNENT; IBM; TDB	OR	ON	2006/06/11 17:14

S134	98	S133 not S132	US-POPUS USPAT: USCOR, FRPS, EPO, JPO, DERWENT, IBM, TDB	OR	ON	2008/06/11 17:14
S135	20	{20040124482 205/0082943 5657063 6402304 6665997 6609783 6616258 6668729 6945633 6960424} PN	US-POPUS USPAT: USCOR, FRPS, EPO, JPO, DERWENT, IBM, TDB	OR	ON	2008/06/11 17:39
S136	20	{20040124482 205/0082943 5657063 6402304 6665997 6609783 6616258 6668729 6945633 6960424} PN	US-POPUS USPAT: USCOR, FRPS, EPO, JPO, DERWENT, IBM, TDB	OR	ON	2008/06/11 17:42
S137	2	S136 and (ptot or piezoelectric2 or parovskite) same (film or layer or thickness or thick) same (crystal or grain or plane) same (columnar or rhombohedral or tetragonal) SAME ((nanometer OR mm OR nm) OR (micrometer OR mm OR micro ADU meter))	US-POPUS USPAT: USCOR, FRPS, EPO, JPO, DERWENT, IBM, TDB	OR	ON	2008/06/11 17:44
S138	9	"6411017"	US-POPUS USPAT: USCOR, FRPS, EPO, JPO, DERWENT, IBM, TDB	OR	ON	2008/06/12 08:27
S139	8	(US7145285-\$ or US7121650-\$ or US6941617-\$ or US695231-\$ or US693940-\$ or US654587-\$ or US6411017-\$).did. or (US3641017-\$).did. or (EP-952000-A-\$).did.	USPAT: USCOR, DERWENT	OR	ON	2008/06/12 08:28
S140	1	((US7145285-\$ or US7121650-\$ or US6941617-\$ or US695231-\$ or US693940-\$ or US654587-\$ or US6411017-\$).did. or (US3641017-\$).did. or (EP-952000-A-\$).did.) and @pk=“20303035” and (columnar and (grain or crystal)) with diameter	USPAT: USCOR, DERWENT	OR	ON	2008/06/12 08:29
S141	1	((US7145285-\$ or US7121650-\$ or US6941617-\$ or US695231-\$ or US693940-\$ or US654587-\$ or US6411017-\$).did. or (US3641017-\$).did. or (EP-952000-A-\$).did.) and @pk=“20303035” and (columnar and (grain or crystal)) with diameter and ptot	USPAT: USCOR, DERWENT	OR	ON	2008/06/12 08:32
S142	156	(ptot or piezoelectric2 or parovskite) same (crystal or grain) same (columnar or rhombohedral or tetragonal) same ((nanometer or nm OR nm) OR (micrometer or mm or micro ADU meter)) or (micrometer or mm or micro ADU meter)	US-POPUS, USPAT: USCOR, FRPS, EPO, JPO, DERWENT, IBM, TDB	OR	ON	2008/06/12 12:41
S143	0	(ptot or piezoelectric2 or parovskite) same (crystal or grain) same (columnar or rhombohedral or tetragonal) same ((nanometer or nm OR nm) OR (micrometer or mm or micro ADU meter)) or (micrometer or mm or micro ADU meter) and ("40,41,42,43,44,45,46,47,48,50,51,52,53,54,55,56,57,58,59,60,61,62,63,64,65,66,67,68,69,70")	US-POPUS USPAT: USCOR, FRPS, EPO, JPO, DERWENT, IBM, TDB	OR	ON	2008/06/12 12:46
S144	0	(ptot or piezoelectric2 or parovskite) same (crystal or grain) same (columnar or rhombohedral or tetragonal) same ((nanometer or nm OR nm) OR (micrometer or mm or micro ADU meter)) or (micrometer or mm or micro ADU meter) and ("40, "41, "42, "43, "44, "45, "46, "47, "48, "49, "50, "51, "52, "53, "54, "55, "56, "57, "58, "59, "60, "61, "62, "63, "64, "65, "66, "67, "68, "69, "70")	US-POPUS USPAT: USCOR, FRPS, EPO, JPO, DERWENT, IBM, TDB	OR	ON	2008/06/12 12:48
S145	119	(ptot or piezoelectric2 or parovskite) same (crystal or grain) same (columnar or rhombohedral or tetragonal) same ((nanometer or nm OR nm) OR (micrometer or mm or micro ADU meter)) or (micrometer or mm or micro ADU meter) and ("40, "41, "42, "43, "44, "45, "46, "47, "48, "49, "50, "51, "52, "53, "54, "55, "56, "57, "58, "59, "60, "61, "62, "63, "64, "65, "66, "67, "68, "69, "70")	US-POPUS USPAT: USCOR, FRPS, EPO, JPO, DERWENT, IBM, TDB	OR	ON	2008/06/12 12:49
S146	67	(ptot or piezoelectric2 or parovskite) same (crystal or grain) same (columnar or rhombohedral or tetragonal) same ((nanometer or nm OR nm) OR (micrometer or mm or micro ADU meter)) or (micrometer or mm or micro ADU meter) and ("40, "41, "42, "43, "44, "45, "46, "47, "48, "49, "50, "51, "52, "53, "54, "55, "56, "57, "58, "59, "60, "61, "62, "63, "64, "65, "66, "67, "68, "69, "70") adj.nm	US-POPUS USPAT: USCOR, FRPS, EPO, JPO, DERWENT, IBM, TDB	OR	ON	2008/06/12 12:51

S147	16	(pz or piezo or piezoelectric2 or parovskite) same (crystal or grain) same (columnar or rhomboSheletal or tetragonal) same (nanometer or nm OR nmeter) or (microMeter or mm or micro ADJ meter) and ("40", "41", "42", "43", "44", "45", "46", "47", "48", "49", "50", "51", "52", "53", "54", "55", "56", "57", "58", "59", "60", "61", "62", "63", "64", "65", "66", "67", "68", "69", "70") adj (nm) and @pk<="2003035"	US-PPUB; USPAT; USCOR FRIS; EPO, JPO, DERWENT; IBM_TDB	OR	ON	2008 06 12 12:53
S148	3	(pz or piezo or piezoelectric2 or parovskite) same (crystal or grain) same (columnar or rhomboSheletal or tetragonal) same (nanometer or nm OR nmeter) or (microMeter or mm or micro ADJ meter) and ("40", "41", "42", "43", "44", "45", "46", "47", "48", "49", "50", "51", "52", "53", "54", "55", "56", "57", "58", "59", "60", "61", "62", "63", "64", "65", "66", "67", "68", "69", "70") adj (nm) with (pz) and @pk<="2003035"	US-PPUB; USPAT; USCOR FRIS; EPO, JPO, DERWENT; IBM_TDB	OR	ON	2008 06 12 12:54
S149	0	(pz or piezo or piezoelectric2 or parovskite) same (crystal or grain) same (columnar or rhomboSheletal or tetragonal) same (nanometer or nm OR nmeter) or (microMeter or mm or micro ADJ meter) and ("40", "41", "42", "43", "44", "45", "46", "47", "48", "49", "50", "51", "52", "53", "54", "55", "56", "57", "58", "59", "60", "61", "62", "63", "64", "65", "66", "67", "68", "69", "70", "71", "72", "73", "74", "75", "76", "77", "78", "79", "80", "81", "82", "83", "84", "85", "86", "87", "88", "89", "90", "91", "92", "93", "94", "95", "96", "97", "98", "99", "100") adj (nm) with (pz) with (length or width) and @pk<="2003035"	US-PPUB; USPAT; USCOR FRIS; EPO, JPO, DERWENT; IBM_TDB	OR	ON	2008 06 12 13:13
S150	4	(pz or piezo or piezoelectric2 or parovskite) same (crystal or grain) same (columnar or rhomboSheletal or tetragonal) same (nanometer or nm OR nmeter) or (microMeter or mm or micro ADJ meter) and ("40", "41", "42", "43", "44", "45", "46", "47", "48", "49", "50", "51", "52", "53", "54", "55", "56", "57", "58", "59", "60", "61", "62", "63", "64", "65", "66", "67", "68", "69", "70", "71", "72", "73", "74", "75", "76", "77", "78", "79", "80", "81", "82", "83", "84", "85", "86", "87", "88", "89", "90", "91", "92", "93", "94", "95", "96", "97", "98", "99", "100") adj (nm) with (pz) and @pk<="2003035"	US-PPUB; USPAT; USCOR FRIS; EPO, JPO, DERWENT; IBM_TDB	OR	ON	2008 06 12 13:17
S151	2	(pz or piezo or piezoelectric2 or parovskite) same (crystal or grain) same (columnar or rhomboSheletal or tetragonal) same ("40", "41", "42", "43", "44", "45", "46", "47", "48", "49", "50", "51", "52", "53", "54", "55", "56", "57", "58", "59", "60", "61", "62", "63", "64", "65", "66", "67", "68", "69", "70", "71", "72", "73", "74", "75", "76", "77", "78", "79", "80", "81", "82", "83", "84", "85", "86", "87", "88", "89", "90", "91", "92", "93", "94", "95", "96", "97", "98", "99", "100") adj (nm) with (pz) and @pk<="2003035"	US-PPUB; USPAT; USCOR FRIS; EPO, JPO, DERWENT; IBM_TDB	OR	ON	2008 06 12 13:22
S152	6	(pz or piezo or piezoelectric2 or parovskite) same (crystal or grain) same (columnar or rhomboSheletal or tetragonal) same ("40", "41", "42", "43", "44", "45", "46", "47", "48", "49", "50", "51", "52", "53", "54", "55", "56", "57", "58", "59", "60", "61", "62", "63", "64", "65", "66", "67", "68", "69", "70", "71", "72", "73", "74", "75", "76", "77", "78", "79", "80", "81", "82", "83", "84", "85", "86", "87", "88", "89", "90", "91", "92", "93", "94", "95", "96", "97", "98", "99", "100") adj (nm) same (pz) and @pk<="2003035"	US-PPUB; USPAT; USCOR FRIS; EPO, JPO, DERWENT; IBM_TDB	OR	ON	2008 06 12 13:26
S153	1	(pz with aspect) same (crystal or grain) same (columnar or rhomboSheletal or tetragonal) same ("40", "41", "42", "43", "44", "45", "46", "47", "48", "49", "50", "51", "52", "53", "54", "55", "56", "57", "58", "59", "60", "61", "62", "63", "64", "65", "66", "67", "68", "69", "70", "71", "72", "73", "74", "75", "76", "77", "78", "79", "80", "81", "82", "83", "84", "85", "86", "87", "88", "89", "90", "91", "92", "93", "94", "95", "96", "97", "98", "99", "100") adj (nm) same (pz) and @pk<="2003035"	US-PPUB; USPAT; USCOR FRIS; EPO, JPO, DERWENT; IBM_TDB	OR	ON	2008 06 12 13:30
S154	39	(pz with aspect adj ratio)	US-PPUB; USPAT; USCOR FRIS; EPO, JPO, DERWENT; IBM_TDB	OR	ON	2008 06 12 13:46
S155	9	(pz with aspect adj ratio) and @pk<="2003035"	US-PPUB; USPAT; USCOR FRIS; EPO, JPO, DERWENT; IBM_TDB	OR	ON	2008 06 12 13:46
S156	29	(US2030146772-S).dd. or US-6194818-S or US-5998236-S or US-5691593-S or US-5438221-S or US-6494967-S or US-7176079-S or US-7064062-S or US-7001014-S or US-6974985-S or US-6694023-S or US-664117-S or US-6511161-S or US-643506-S or US-6422239-S or US-6146935-S or US-6515392-S or US-6422203-S or US-7312556-S or US-6422304-S or US-7291920-S or US-7032629-S or US-707985-S or US-703301-S or US-722623-S or US-698157-S or US-693285-S).dd. or (US-6846509-S or US-5962929-S).dd.	US-PPUB; USPAT	OR	ON	2008 06 17 13:39
S157	8	(US-6494927-S or US-6458106-S or US-6524456-S or US-7083289-S or US-6422304-S or US-6705706-S).dd.	USPAT	OR	ON	2008 06 17 13:44
S158	2	"20020168831"	US-PPUB; USPAT; USCOR FRIS; EPO, JPO, DERWENT; IBM_TDB	OR	ON	2008 06 17 16:14
S159	1	(US2020168831-S).dd.	US-PPUB	OR	ON	2008 06 17 16:14